

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2000168526
PUBLICATION DATE : 20-06-00

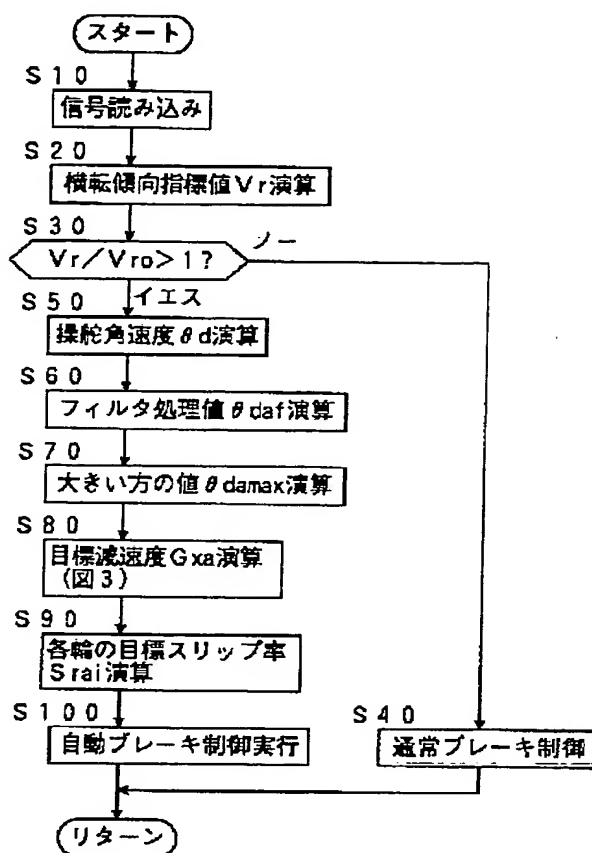
APPLICATION DATE : 07-12-98
APPLICATION NUMBER : 10347130

APPLICANT : TOYOTA MOTOR CORP;

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INT.CL. : B60T 8/24 B60T 8/58

TITLE : MOTION CONTROL DEVICE OF
VEHICLE



ABSTRACT : PROBLEM TO BE SOLVED: To prevent a vehicle from turning on its side while good stability of vehicle is maintained, preclude a steering wheel from a risk to be taken away, and prevent the motion locus of the vehicle from swelling outside about the revolution.

SOLUTION: A turn on its side tendency index value V_r is calculated (S20), and judgement is passed whether the risk of vehicle turn on its side is high (S30) on the basis of the obtained index value V_r , and if high, the steering angular velocity θ_d is calculated (S50), and also the filter treatment value θ_{daf} of the absolute of the steering angular velocity is calculated (S60), and the θ_d or θ_{daf} whichever is the greater is taken as the maximum value θ_{damax} (S70). On the basis of the determined θ_{damax} , the target deceleration G_{xa} of the vehicle is calculated so that it is greater with greater θ_{damax} (S80), and the braking force of each wheel is controlled and the vehicle is decelerated so that its deceleration becomes the target deceleration value G_{xa} (S90 and 100).

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